

For Research Use Only

RASGRP4 Polyclonal antibody

Catalog Number: 29510-1-AP



Basic Information

Catalog Number: 29510-1-AP	GenBank Accession Number: BC146669	Purification Method: Antigen affinity purification
Source: Rabbit	GeneID (NCBI): 115727	Recommended Dilutions: WB: 1:500-1:2000
Isotype: IgG	UNIPROT ID: Q8TDF6	
Immunogen Catalog Number: AG31219	Full Name: RAS guanyl releasing protein 4	
	Calculated MW: 673 aa, 75 kDa	
	Observed MW: 54-75 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Daudi cells, K-562 cells, Raji cells, Ramos cells
Species Specificity: human	

Background Information

RASGRP4 is a member of the RAS guanine nucleotide-releasing protein (RASGRP) family, which are crucial guanine nucleotide exchange factors (GEFs). The primary function of this family is to act as molecular switches that activate RAS signaling pathways by promoting the exchange of GDP for GTP on small GTPases. Specifically, RASGRP4 is highly and preferentially expressed in mast cells. It plays a vital role in the development, maturation, and functional activation of these immune cells by regulating key signaling cascades, such as the MAPK pathway.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

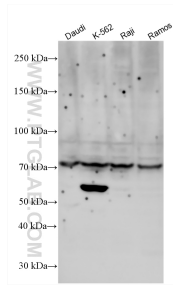
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29510-1-AP (RASGRP4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.